

# **Main specifications of double-glass modules**





## Overview

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What is a double glass solar module?

In the ever-evolving world of photovoltaic technology, double glass solar modules are emerging as a game-changer. By encapsulating solar cells between two layers of glass, these modules offer unparalleled durability and efficiency. But what exactly sets them apart?

What are double glass solar modules?

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What is a double glass module?

In contrast, double glass modules replace the polymer layer with another glass sheet, creating a robust sandwich structure. At IBC SOLAR, we use 2,0 mm x 2,0 mm glass layers, whereas some other market offerings use thinner 1,6 mm x 1,6 mm layers. This ensures greater durability and longevity.

What are glass-glass PV modules?

Glass-glass PV modules, also known as double glass solar panels, are photovoltaic modules encapsulated with tempered glass on both the front and back sides. Compared to traditional glass-backsheet modules, they offer greater durability and environmental resistance.

Are double glass modules better than traditional modules?

Compared to traditional modules with backsheet, modules with double glass are stronger and more durable, presenting less degradation due to thermal cycling stress. Results from the thermal cycling test up to 400 cycles show about 35% to 43% less degradation with double- glass modules than with traditional modules with backsheet (Fig. 3).



## Main specifications of double-glass modules

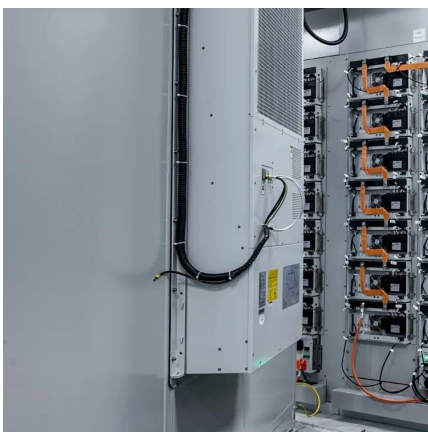
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### [JA Solar PV Bifacial Double-glass Modules Installation ...](#)

This Installation Manual contains essential information for electrical and mechanical installation that you must know before handling and installing JA Solar modules. ...

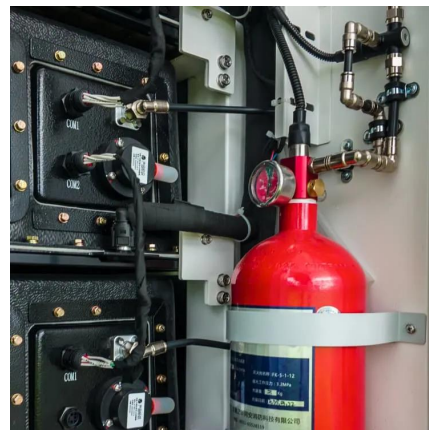
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### [Specifications of double-glass photovoltaic panels](#)

A double glass (Dual Glass) solar panel is a glass-glass module structure where a glass layer is used on the back of the modules instead of the traditional polymer backsheets. ...

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Complete guide to dual-glass solar panels: applications, benefits, costs & limitations. Learn when this premium technology provides genuine value vs conventional panels.



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The double glass module design offers not only much higher reliability and longer durability but also significant Balance of System cost savings by eliminating the aluminum ...

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Double glass solar modules, also known as bifacial modules, are a type of photovoltaic panel that differs from traditional solar panels in that they have glass on both the ...

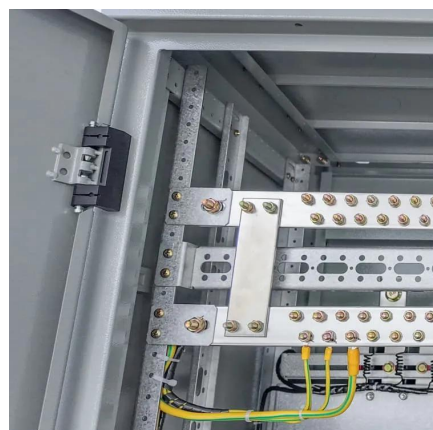
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Superior protection; Environmental shielding: Double glass modules provide excellent defense against moisture, corrosion, and UV radiation, reducing the risk of potential-induced degradation (PID). ...

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## [A Complete Guide to Solar Module Glass](#)

As solar technology continues to advance, solar module glass has become one of the most critical components determining the performance, durability, and long-term reliability ...

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